

Application No. 10/782,998

Amendments to and Listing of the Claims:

Please amend claims 23 and 26, without prejudice, as set forth in the following listing of the claims:

1. to 22. (Canceled)

23. (Currently Amended) An isolated gene comprising a DNA ~~having a nucleotide sequence encoding that~~ encodes a polypeptide having an amino acid sequence selected from the group consisting of:

(a) SEQ ID NO: 1;

(b) ~~an amino acid sequence a polypeptide having a sequence homology of 95% or more with sequence homology to~~ SEQ ID NO: 1, the sequence and having at least ~~an the~~ ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

(c) ~~an amino acid sequence a polypeptide encoded by a DNA having of~~ SEQ ID NO: 2;

(d) ~~an amino acid sequence a polypeptide encoded by a DNA having a nucleotide sequence having a homology of 95% or more with sequence homology to~~ SEQ ID NO: 2, wherein the amino acid sequence ~~has and~~ having at least ~~an the~~ ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

(e) ~~an amino acid sequence a polypeptide encoded by a DNA that hybridizes under stringent conditions with a nucleotide sequence the complementary sequence to~~ SEQ ID NO: 2, the stringent conditions comprising conducting the hybridization in a solution containing 50% formamide under a high ion concentration of 6 x SSC at 65°C, and then washing under a low ion concentration of 0.1 x SSC at 65°C, wherein the amino acid sequence polypeptide has at least an the ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

(f) ~~an amino acid sequence a polypeptide having a sequence homology of 90% or more sequence homology with~~ SEQ ID NO: 1, wherein the sequence is a sequence of a protein obtained from a microorganism belonging to the genus *Leifsonia*, having polypeptide has at least an the ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol and wherein the polypeptide is obtained from a microorganism belonging to the genus *Leifsonia*; and

(g) ~~an amino acid sequence a polypeptide having a sequence homology of 90% or more sequence homology with~~ SEQ ID NO: 1, wherein the sequence is a sequence of a protein

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~~obtained from *Leifsonia* sp. S-749, having polypeptide~~ has at least an the ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol and wherein the polypeptide is obtained from *Leifsonia* sp. S-749.

24. (Previously Presented) The isolated gene according to claim 23 further comprising a linked promoter.

25. (Previously Presented) A recombinant vector comprising the gene according to claim 23.

26. (Currently Amended) A transformant obtained by introducing into an isolated host cell the gene according to claim 24 or a recombinant vector that comprises a gene comprising a DNA encoding an ~~amino acid sequence~~ a polypeptide selected from the group consisting of:

(a) SEQ ID NO: 1;

(b) ~~an amino acid sequence~~ a polypeptide having a ~~sequence homology of 95% or more~~ sequence homology with SEQ ID NO: 1, wherein the ~~sequence~~ polypeptide has at least an the ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

(c) ~~an amino acid sequence~~ a polypeptide encoded by a DNA ~~having of~~ SEQ ID NO: 2;

(d) ~~an amino acid sequence~~ a polypeptide encoded by a DNA having a ~~nucleotide sequence a homology of 90%-95%~~ sequence homology with a DNA having SEQ ID NO: 2, and the ~~sequence is an amino acid sequence of a protein having wherein the polypeptide~~ has at least an the ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

(c) ~~an amino acid sequence~~ a polypeptide encoded by a DNA that hybridizes under stringent conditions with a ~~the complementary nucleotide sequence that is complementary to of~~ SEQ ID NO: 2, the stringent conditions comprising conducting the hybridization in a solution containing 50% formamide under a high ion concentration of 6 x SSC at 65°C, and then washing under a low ion concentration of 0.1 x SSC at 65°C, wherein the amino acid sequence has at least ~~an the~~ ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol;

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(f) ~~an amino acid sequence~~ a polypeptide having a sequence homology of 90% or more with SEQ ID NO: 1, wherein the ~~sequence is a sequence of a protein-polypeptide is~~ obtained from a microorganism belonging to the genus *Leifsonia*, ~~having and has~~ at least ~~an the~~ ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol; and

(g) ~~an amino acid sequence~~ a polypeptide having a sequence homology of 90% or more with SEQ ID NO: 1, ~~and the sequence is a sequence of a protein obtained from *Leifsonia* sp. S-749, and having wherein the polypeptide has~~ at least ~~an the~~ ability to reduce 2,2,2-trifluoroacetophenone to 2,2,2-trifluoro-1-phenylethanol and wherein the polypeptide is obtained from *Leifsonia* sp. S-749.

27. (Previously Presented) The transformant according to claim 26, wherein the host cell is a microorganism.

28. (Previously Presented) The transformant according to claim 26, wherein the host cell is *E. coli*.

29. (Previously Presented) A transformant obtained by introducing the gene according to claim 23 into an isolated host cell.

30. (Previously Presented) A method for producing a transformant, wherein the method comprises introducing the recombinant vector according to claim 25 into a host cell.

31. to 44. (Canceled)